

Arkansas
ROW CROP VERIFICATION



2023 Arkansas Cotton Research Verification Program

Weekly Update – June 30, 2023

Division of Agriculture, University of Arkansas System, Cooperative Extension Service

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General Information

Another week of blistering hot and humid temps as we close out the month of June. A lot of our cotton is getting close to flowering but not quite there yet. Areas that have not caught the rains are having to irrigate, and even some that have are still very close to needing to. This heat has sucked a lot of our soil moisture out. We need to be mindful going into flowering that we need to keep our plants from stressing as much as possible to keep stacking nodes to be at our 9-10 NAWF at first flower. Tarnished Plant bugs are starting to show up as the corn is starting to mature. This is only going to get worse as we get deeper into the season. There are also reports of some clouded plant bugs showing up across the delta. As always we need to keep an eye out and practice proper scouting, follow thresholds, and pick our best chemistry to keep these fields clean as we push forward.

County	Field Name	Planting Date	Variety	Plants /A	# Fruiting Nodes/ Total Retention	Field Notes
Desha/Drew	Winchester	5-11	NG 3195 B3XF	35,153	6.5/ 91%	Last field visit on 6-27. Cotton is 12 node, 18" tall. .64" of rain since last visit. Field has good soil moisture. A couple TPB were found but not to threshold. And little to no damage present. Field was just fertilized.
Poinsett	Judd Hill (Crop Intensification)	5-5	DP 2127 B3XF	19,105	8.4/ 92%	Last field visit on 6-29. 13-14 node cotton, 22-24" tall. 1.4" of rain since last visit. A shot of pix will be going on this field soon. No pests found. A few leaves did show signs of potash deficiency, however the morning of the visit fertilizer was applied. This field is almost perfectly on target for where we want to be when first bloom hits. This field will need to be watered soon.
Poinsett	Judd Hill (Cover Crop)	5-5	DP 2127 B3XF	39,356	7.6/ 98%	Last field visit on 6-29. 13-14 node cotton, 22-24" tall. 1.4" of rain since last visit. A shot of pix will be going on this field soon. A couple TPB were found while scouting but not to threshold yet. Fertilizer was applied the morning of the visit. This field is almost perfectly on target for where we want to be when first bloom hits. This field will need to be watered soon.
Poinsett	Judd Hill (Conventional till, No cover)	5-5	DP 2127 B3XF	39,738	6.8/ 95%	Last field visit on 6-29. 13-14 node cotton, 22-24" tall. 1.4" of rain since last visit. A shot of pix will be going on this field soon. A couple TPB were found while scouting but not to threshold yet. A few leaves did show

						signs of potash deficiency, however the morning of the visit fertilizer was applied. This field will need to be watered soon as it is showing signs of drought stress.
Lee	Lee (cover)	5-8	PHY 360 W3FE	40,502	6.1/ 98%	Last field visit on 6-27. 10-11 node cotton, 14-16" tall. No rain since last visit. A few TPB were found but not to threshold. Small square set is running about 95% after TPB application last week. This field was irrigated on 6-29 and is following very close to the target development curve.
Lee	Lee (no cover)	5-13	PHY 360 W3FE	37,153	4.8/ 85%	Last field visit on 6-27. 10-11 node cotton, 15-16" tall. No rain since last visit. A few TPB were found but not to threshold. Small square set is running about 95% after TPB application last week. This field started to show signs of drought stress and was irrigated on 6-26.
Jackson	Kent	5-13	PHY 411 W3FE	38,974	6/ 95%	Last field visit on 6-29. 11 node cotton, 8-10" tall. This cotton is coming off very slow due to dry conditions early. We are seeing a few aphids moving into the edges of this field but they are not to treatment level yet. No other pests found while scouting. The pivot was on in this field at the time of our visit. We did catch some herbicide injury after an application to clean up the last of our pigweed but nothing to be concerned with.